

## WEATHER OF THE ATLANTIC AND PACIFIC OCEANS

[The Marine Division, W. F. McDONALD, in Charge]

## NORTH ATLANTIC OCEAN

By F. A. YOUNG

*Atmospheric pressure.*—The North Atlantic HIGH was well developed during the greater part of the month, although there was an intrusion of low pressure over that region during the last five days. The Icelandic Low from the 1st to 25th was considerably weaker than usual, although after the latter date and until the end of the month it increased in intensity. With only minor exceptions, the conditions over the Atlantic as a whole were comparatively featureless, with slight pressure gradients.

TABLE 1.—Averages, departures, and extremes of atmospheric pressure (sea level) at selected stations for the North Atlantic Ocean and its shores, June, 1932

Stations	Average pressure	Departure	Highest	Date	Lowest	Date
	Inches	Inch	Inches		Inches	
Julianehaab, Greenland.....	29.99	—	30.40	4, 5	29.44	13
Reykjavik, Iceland.....	29.98	+0.10	30.35	18	29.36	10
Lerwick, Shetland Islands.....	30.05	+0.25	30.45	15	29.46	27
Valencia, Ireland.....	30.06	+0.06	30.39	23	29.48	30
Lisbon, Portugal.....	30.05	+0.02	30.18	6	29.84	14
Madeira.....	30.11	+0.04	30.19	19	29.97	14
Horta, Azores.....	30.18	—0.06	30.31	1, 8	29.88	30
Belle Isle, Newfoundland.....	29.87	+0.03	30.20	17	29.56	16
Halifax, Nova Scotia.....	29.85	—0.12	30.30	18	29.38	24
Nantucket.....	29.88	—0.10	30.31	7	29.41	18
Hatteras.....	29.95	—0.06	30.25	1	29.56	7
Bermuda.....	30.09	—0.04	30.22	12, 13	29.82	7
Turks Island.....	30.01	—0.02	30.08	15, 16	29.88	2
Key West.....	29.95	—0.04	30.09	18	29.82	7
New Orleans.....	29.94	—0.04	30.13	18	29.73	8
Cape Gracias, Nicaragua.....	29.84	—0.08	29.90	16, 18	29.76	21

NOTE.—All data based on a. m. observations only with departures compiled from best available normals related to time of observations except Nantucket, Hatteras, Key West, and New Orleans, which are 24-hour corrected means.

*Cyclones and gales.*—June is ordinarily one of the quietest months over the North Atlantic, and the current month was very much below the normal in number of days with gales.

One vessel encountered a severe local thunder squall with heavy rain in the evening of the 18th near the American coast between Jacksonville and Savannah. Another vessel reported a northerly wind, force 10, on the morning of the 19th, near 40° N., and 58° 39' W., but did not render a storm report.

In addition to these two, only 10 vessels forwarded gale reports, the highest force of wind being 9.

*Fog.*—Fog was unusually prevalent, especially over the western section of the ocean, and the number of days on which it occurred in different localities is as follows: Over the Grand Banks, from 7 to 9 days; between the fortieth and forty-fifth parallels and fortieth to fifty-fifth meridians, from 8 to 20 days; between the thirty-fifth and forty-fifth parallels, and sixtieth meridian and American coast, from 3 to 15 days; along the coast of Nova Scotia and Newfoundland, from 4 to 6 days; over the steamer lanes, between the twentieth and forty-fifth meridians, from 2 to 10 days; along the coast of Europe, from 1 to 2 days.

*Transatlantic aviation.*—Stanislaus P. Hausner took off from Floyd Bennett field at 8.46 a. m. on June 3, and made a forced landing at 9 p. m. (G. M. T.) on the same day when near 42° N., 20° W. He was rescued at 10 p. m. June 11 by a crew from the British tank S. S. *Circe Shell*, Captain Wilson. An examination of the daily weather maps shows that favorable conditions prevailed over the eastern Atlantic from the 3d to 11th.

## OCEAN GALES AND STORMS, JUNE, 1932

Vessel	Voyage		Position at time of lowest barometer		Gale began	Time of lowest barometer	Gale ended	Lowest barometer	Direction of wind when gale began	Direction and force of wind at time of lowest barometer	Direction of wind when gale ended	Direction and highest force of wind	Shifts of wind near time of lowest barometer
	From—	To—	Latitude	Longitude									
NORTH ATLANTIC OCEAN													
Sarcosie, Am. S. S.	Havre.....	New York.....	47 48 N	26 28 W	June 1	8p., 1.....	June 2	Inches 29.73	WSW..	WSW, 7.....	NW.....	NW, 9.....	WSW-NW.
Odenwald, Ger. M. S.	Hamburg.....	Canal Zone.....	42 37 N	19 08 W	June 2	Noon, 2.....	do.....	29.91	W.....	W, 7.....	NW.....	NNW, 8.....	W-NW.
City of Alton, Am. S. S.	Rotterdam.....	New York.....	42 04 N	57 16 W	June 11	1p., 11.....	June 12	29.85	W.....	W, 7.....	W.....	W, 8.....	Steady.
Hazelwood, Br. S. S.	Swansea.....	Quebec.....	53 12 N	46 16 W	do.....	1p., 12.....	June 13	28.95	SSE.....	SSE, 5.....	WNW.....	ENE, 9.....	SSE-ENE.
Winnebago, Br. S. S.	Manchester.....	New York.....	48 19 N	40 49 W	June 16	11p., 16.....	June 16	29.67	SSE.....	S, 5.....	S.....	SSE, 8.....	S-SW.
Executive, Am. S. S.	Gibraltar.....	do.....	41 23 N	55 50 W	June 18	8p., 18.....	June 19	29.52	ENE.....	NE, 7.....	N.....	NE, 9.....	Steady.
NORTH PACIFIC OCEAN													
Makawao, Am. S. S.	San Francisco.....	Lanai, T. H.....	37 28 N	123 35 W	June 3	10p., 3.....	June 4	29.65	NNW.....	NNW, 8.....	NNW.....	NNW, 8.....	Steady.
Point Ancha, Am. S. S.	San Pedro.....	New Orleans.....	17 48 N	103 02 W	June 18	3p., 18.....	June 19	29.70	ESE.....	ESE, 8.....	SSE.....	ESE, 9.....	SE-S.
Texas, Am. S. S.	Dairen.....	San Francisco.....	46 44 N	143 58 W	do.....	4a., 19.....	do.....	29.93	SE.....	S, 7.....	WSW.....	W, 9.....	S-WSW.
Silverash, Br. M. S.	Borneo.....	San Pedro.....	34 50 N	124 15 W	June 16	4p., 16.....	June 17	30.19	NNW.....	NNW, 8.....	NNW.....	NNW, 8.....	NNW-WNW.
Kurama Maru, Jap. M. S.	Yokohama.....	Los Angeles.....	46 55 N	166 30 W	June 23	3p., 23.....	June 24	29.38	SE.....	SSE, 8.....	SW.....	SSE, 8.....	SSE-S.
Silvermaple, Br. M. S.	Gorontalo.....	Portland.....	47 07 N	139 50 W	June 29	2p., 29.....	June 30	29.51	E.....	SSE, 8.....	WSW.....	SW, 8.....	SSE-SW.
Melville Dollar, Am. S. S.	Manila.....	Los Angeles.....	43 40 N	146 30 W	do.....	8a., 29.....	June 29	29.58	S.....	SSW.....	W.....	WSW, 8.....	S-SSW.
INDIAN OCEAN													
Sangstad, Nor. M. S.	Bunbury.....	Las Palmas.....	33 30 S	28 40 E	June 7	2p., 7.....	June 8	29.73	WSW..	WSW, 11.....	WSW..	WSW, 11.....	Steady.

<sup>1</sup> Barometer uncorrected.